



MANUSCRIPT VERSION OF THE REWRITTEN SPECIFICATION

1. Page 2, lines 19-29;

Prior to the fail-over file transfer operation, a receiver may specify backup receiving locations and number of attempts to be made before sending a failure notification and/or attempting another backup receiving location. The number of attempts may also be specified by the sender. If the receiver desires to receive a file from a sender at one of the backup receiving locations in case of transfer failure, it must specify the locations in advance so that the file delivered to [the] one of the backup receiving locations can be retrieved when ready.

2. Page 6, lines 3-13;

If the receiver has specified other backup receiving locations prior to the operation, (Step 220) the sender may send the file to one of other backup receiving locations. (Step 230) The sequence of selecting one of the other backup receiving locations will be predetermined by the receiver. Once the file is successfully transferred to one of the other backup receiving locations the sender sends to the receiver a file delivery notification that includes name, size, origin, and location of the file via email or World Wide Web (WWW). (Step 50) In return, the receiver sends to the [sends] sender a receipt confirmation notification with a success or error status. (Step 110)

3. Page 6, lines 14-19;

If the sender determines that its attempt to transfer the file to [the] one of the other backup receiving locations is not successful (Step 240) it will attempt to send the file to [the] one of the other backup receiving locations up to a preset number of times. (Step 250) The number of attempts will be specified by the receiver or [receiver] sender prior to the operation.

4. Page 6, lines 20-26;

If attempting to send the file to [the] one of the other backup receiving locations up to the preset number of times fails, (Step 260) the sender sends to the receiver a failure notification that includes failure status and name, size, and location of the file so that the receiver can retrieve it when ready. (Step 60 & 130) The failure notification may also be sent via email and World Wide Web (WWW).

5. Page 6, lines 30-35;

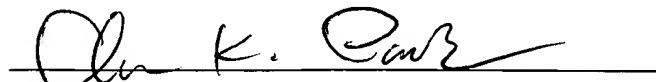
If the file is not delivered to any of the backup receiving locations, the sender sends to the receiver a failure notification that includes failure status and name, size, and location of the file so that the receiver can retrieve it when ready. (Step 60 & 130) The failure notification may also be sent via email and World Wide Web (WWW).

6. Page 7, lines 1-13;

FIG. 3 describes one embodiment of the fail-over file transfer. Upon failure to deliver a file to a receiver 320, the server 310 sends an FDN email to the receiver 320 with a failure status so that the receiver 320 can retrieve the file when ready during the project-specified retention period. If a file cannot be delivered after three attempts, and the receiver 320 has indicated the availability of secondary backup receiving location 330, then the file delivery is automatically attempted to the secondary backup receiving location 330 at least three times. Failure of the file transfer to the secondary backup receiving location 330 results in a failure FDN being sent to the receiver's tertiary backup receiving location 340, and the receiver 320 is expected to [receive] retrieve the file when ready.

NASA Case No. GSC 14,409-1

I hereby certify that this Preliminary Amendment is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on: December 11, 2001.


Chan K. Park